AMENDMENTS TO THE SPECIFICATION:

01114 108

Please amend the paragraphs beginning at page 1, line 5, and continuing to page 1, line 12, as follows:

The invention refers to ~~a method for~~ enhancing the measuring accuracy in an antenna array comprising a number of antenna elements. ~~The~~ A method comprises the ~~steps~~ acts of;

- receiving analog signals on a number of m antenna array elements, and;
-producing a radiation diagram for the array from the values in the signals.

The ~~invention~~ technology also refers to an antenna array system comprising

Please amend the paragraph beginning at page 2, line 27, and continuing to page 2, line 30, as follows:

It is a desirable feature for an antenna system to have the ability to detect and estimate the direction of arrival of the target with a reasonable probability (reasonably low standard deviation). An optimum is thus sought for the trade ~~of~~ off between low standard deviation and low SNR.

Please amend the paragraph beginning at page 4, line 10, and continuing to page 4, line 14, as follows:

It is an object of the ~~invention~~ technology to diminish random errors regarding the resolving probability of the target when trying to narrow the main lobe, in order to get better estimation of the direction-of-arrival of a target. It is thus an object of the ~~invention~~

The ~~invention~~ technology may thus be used by dynamically altering the antenna array such that interadjacent antenna elements are switched off or reduced until only the outermost antenna elements remain.

The benefits of the ~~invention~~ technology ~~above method~~ will become apparent when describing the example embodiments below.

Please amend the paragraph beginning at page 11, line 25, and continuing to page 11, line 26, as follows:

Fig. 1 shows an antenna array according to one example embodiment ~~of the invention,~~ with a number of t_1-t_4 configurations in time.

Please amend the paragraph beginning at page 12, line 29, and continuing to page 12, line 30, as follows:

Fig 11 diagrammatically shows a block diagram over the method ~~according to the invention~~ according to one example embodiment.

Please amend the caption on page 13, line 1 as follows:

~~MODES FOR CARRYING OUT THE INVENTION~~DETAILED DESCRIPTION

Please amend the paragraph beginning on page 13, line 14, and continuing to page 13, line 31, as follows:

Fig. 1 shows an antenna array 1 according to one example embodiment ~~of the invention~~ comprising five antenna elements 2, with a number of configurations in time.